

Name: \_\_\_\_\_

Class: \_\_\_\_\_



Connecticut State Standards – Unit I: Life, Cells, and Change Over Time

The list below details some of the Connecticut State Science Standards that we have addressed this year.

- Next to each standard, please write down what you remember doing to learn about this topic.
  - Next, review your notes to find information to answer the question as best you can. You do not need to do research for this assignment; we will use your answers to start a review of the topics that we will work on together.
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1. Illustrate and describe in writing the structure and the function of the cell membrane, cytoplasm, mitochondria and nucleus in an animal cell.
  
  
  
  
  
  
  
  
  
  
  2. Investigate and describe in writing different types of microbes and the environmental conditions necessary for their survival.
  
  
  
  
  
  
  
  
  
  
  3. Describe the optimum conditions for rapid bacterial growth.

4. Illustrate and describe the structural differences between bacterial and animal cells.
5. Discover and discuss how humans use bacteria to produce food and identify examples.
6. Compare and contrast the role of bacteria in food production and food spoilage.
7. Evaluate and report how each method of food preservation including dehydration, pickling, irradiation and refrigeration works to stop or inhibit bacterial growth and give examples of each.